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U. S. Department of Agriculture

WARRANTY, EXPRESS OR IMPLIED. AS TO DESCRIPTION, QUALITY, PRODUCTIVENESS OR ANY OTHER MATTER OF ANY SEEDS WE SELL AND WILL NOT BE

Jan. 30, 1948

ALFALFA U. S. Verified Origin

		Per 100 lbs.
Kansas	M Brand	\$32,00
Colorado	46	33.00
Approved Oklahoma	44	26.00
New Mexico	44	23.00
North Dakota	66	47.00
Minnesota Grimm	66	48.00
*Buffalo, Certified		\$1.10 per lb.
*Ranger, "		1.00 " "
*Packed in 30 lb. Sealed B	ags.	
ARGENTINE, M BI Reprocessed, highest qualit	RAND, y, stained 109	20.00 Red

	INOCULATION, Order	
SWEET	CLOVER	Per

Per 100 lbs.

M	Brand	Standard, "Mainly White'	' Out
44	66	Yellow Blossom	\$18.50
66	66	Mixed White and Yellow	18.0
44	66	Unhulled Yellow	15.0
46	66		old Ou
66	44	Hubam Annual	19.0
12F	INCLUI	E INOCULATION, Order Group 1.	

RED CLOVER

Per 100 lbs.

Per Pound

Per Bale

Medium, M Brand	\$64.00
Mammoth, "	65.00
INCLUDE INOCULATION, Order Group 2.	

ALSIKE CLOVER	Per 100 lbs.
M Brand	\$50.00
INCLUDE INOCULATION, Order	

INCLUDE	INOCULATION,	Order	Group 2	3

LESPEDEZA		400 11
Korean, M Brand	Per	100 lbs. \$14.00
Fancy Kerean, Hulled, M B		13.00
Lespedeza, Early 19604 "	rand	16.50 Out
SERICEA - Unhulled - M Bran	nd	23.00
INCLUDE INOCULATION, Order G	roup 3.	30.00

LADINO CLOVER	
Very Short Supplies	10

LADINO CLOVED

00 lbs. Small Lots M Brand, Uncertified " , Certified 2.35 \$2.45 2.50 2.60 \$2.35

LADINO CLOVER:

Taller, more luxuriant growth than ordinary White Dutch, therefore more suitable for hay or pasture. Dutch, therefore more suitable for hay or pasture. Descriptions of the pasture of the

BIRDSFOOT TREFOIL Broadleaf

100 lb. lot — Small lots —	\$1.25 per 1.40 "	lk

CRIMSON CLOVER -Sold Out

WHITE DUTCH CLOVER

Per 100 lbs.	100 lbs. or More	25 lba. or More	1 to 10 lbs.
M Brand	\$57.00	\$ 59.00	\$ 63.00

VETCH	Per 100 lbs.
Hairy Winter Vetch	\$21.50

Hairy Winter Vetch Common Vetch Austrian Winter Peas	\$21.50 Out	
Australi Willier Feas	9.50	

Bemis	"A"	or	Fulton	"A"	New	16-oz.	\$63.75
BINI	DEF	?	TWI	VE.		_	

SEAMLESS BAGS

BINDER	TWINE	Per Bale
8 Lb. Balls		\$11.50

CLIPPER MILLS (March Del'y)

No. 2 B. Cupper,	\$62.00 Ea
No. 2 B. Special, with sacker	70.00
Motor and Drive for 2B	25.00 "
2B Spec.	30.00 "
All cleaners are equipped with CLIPPER SEED TREATER	12 screens. \$60.00 Ea

M BRAND INOCULATION

Humus Cult	ure for reg		
Group 1-Alfalfa, Sweet	Size	Dealer Price	Retai Price
Clover	1-bu.	\$0.30	\$0.50
Group 2—Red, Alsike, Crimson Clove	215-bu.	.54	1.00
Group 3-Lespedeza	100-lb	.30	.59
Group 4—Vetches, Austr Peas, Garden & Canning Peas	ian 100-lb.	.34	.55
) 2-bu.	.20	.30
Group 5-Cowpeas	(5-bu.	.33	.55
Group 6-Soybeans	25-bu.	1.50	2.50
The 30-bu. size may be so	*30-bu.	1.90	

ALL SEEDS BILLED GROSS FOR NET - BAGS INCLUDED - NO CHARGE IS MADE FOR BAGS Per 100 lbs. 5 Bags Bag or More Lots TIMOTHY M Brand \$8.00 \$8.25 7.50 7.00 7.75 7.25 Fancy Choice Mixed Tim.-Alsike (20% Alsike) 17.00

RED TOP	Per 10	lbs.
101	5 Bags or More	Bag Lots
M Brand	\$23.00	\$23.50
Fancy	21,50	22.00
Choice	20.00	20.50
Unhulled	11.25	11.50

KY. BLUE GRASS (Per 100 lbs.)

33.00	\$ 33.50
31.50	32.00
36.00	36.50
	31.50

RYE GRASS	Per 100 lbs.		
Domestic, M Brand	\$10.00 \$10.25		
Perennial, Blue Tag	14.75 15.00		

ORCHARD	GRASS Per	100 lbs.
M Brand	\$16.00	\$16.50

MEADOW FESCUE Per100 lbs. \$15.00 \$15.25

Also called English Blue Grass. Excellent permanent pasture grass similar to Orchard Grass in use. Wide adaptation to most soils. Does well on poorly-drained land. Is perennial (long lasting). Alta Fescue and Ky. 31 are selections from Meadow Fescue.

ALTA FESCUE M Brand 6 \$46.00

Small amount 50c per ib.

New introduction in wide demand. Larger supply makes it more reasonable in price than the very similar Ky.

31. Experiment station trials indicate it to be fully equal. Alta Fescue is deep-rooted; withstands dry weather; controls erosion; makes excellent pasture; long-lasting, Avoid posaturing until grass at least 4 inches high. Sow 12-15 pounds per acre.

BROME GRASS

Bags Included, Quack-fre	
Kansas (Southern type) MBran	d \$20.00 \$20.50
Canadian	19.00 19.50
Brome-Alfalfa mixture better that rate of 12 lbs. Brome and 4 lb Alfalfa furnishes nitrogen, keeps B "sod-bound."	s. Alfalfa per acre.

PASTURE MIXTURE Per 100 lbs.

M Brand (Spring seeding) \$19.50 \$20.00
Generous Seeding Brings Quicker Coverage. Sow
20 to 25 lbs. per acre.
Well-balanced full mixture for prolonged pasturage. Contains
Lespedesa, Ky. Blue, Rye Grass, Redtop, Timothy, Orchard
Grass, English Blue Grass (Meadow Fescue), Brome Grass,
Alsike Clover, White Clover. . Only high quality seed
used in M Brand Pasture Mixture.

RAPE SEED Per 100 lbs.

M	Brand	, D	warf	Esse	ex	\$18.00	\$18.50
	Makes	Fine	Hog.	Sheep	Pasture		

REED	CANARY	GRASS	Per 100 lbs
M Brand			\$40.0

Small amounts 45e lb.	
Does well in low, poorly-drained fields where oth	er
grasses fail. Excellent for hav or pasture. Slow	to
start; allow year to make stand. Then spreads rapid and is long lasting. Sow 6 to 10 lbs. per acre.	łу
and is long tasting, sow o to lo los. per acre.	

BERMUDA GRASS Per 100 lbs. M Brand Unhulled Hulled Small amoun \$55,00

WESTERN (Range) GRASSES

	Per 10	0 lbs.
Crested Wheat Grass	\$34.50	\$35.00
Slender " "	As	k
Western " "	20.00	21.00
Sandrop	11.00	12.00
Blue Grama—Combine Quality Pur.57%, Germ. 70%.	26.0 0	27.00
		Pound
Buffalo Grass, Untreated	\$0.90	\$1.00
Treated Treated to quicken germination	1.00	1.05
Weeping Love Grass	\$ 3.00	per lb.

NOTE: We accommodate our customers in the Southwest, West and Northwest by shipping numerous Field and Grass Seeds which we process at our Atchison Kansas plant from there when lower freight rates apply. Send your orders to St. Louis office.

LAWN MIXTURES

Per 100 lbs Lawn Mixture, M Brand \$32.00 Shady Spot Mixture, M Brand 45.00 Greenvue (Quick-Growing Mixture) 24.00 Above also packed in 5 lb. attractive cloth bags @ \$3.00 per 100 lbs. higher.

FREE BOOKLET ON LAWN-MAKING

Useful information concisely given in attractive easy-reference pamphlet for your customers. Ask for copy. State quantity you can use.

FÄNCY GRASSES

				Ba	g Lots
	rings F			and	\$43.00
Cree	ping Re	d Fes	cue,	44	45.00
Poa '	Triviali:	s (For	Deep	Shade)	80.00
	Grass	Seasid	e, Blue	Tag	95.00
66	**	Astori		**	93.00
	Small	amount	a 50 lh	highor	

BIRD SEED	Per	100 lbs.
	5 Bags or more	Bag Lots
M Brand Mixed Bird Seed	\$15.00	\$15.50
Straight Canary	12.50	13.00
Large Bird Rape (Essex)	18.00	18.50
White or Hog Millet	7.00	7.25
Red or Early Fortune Millet	7.00	7.25
Whole Flax, Recleaned	17.00	17.50
Bird Thistle (Niger)	28.00	29.00
Poppy Seed	29.00	30.00
Field or Pigeon Peas	8.50	8.75
Sunflower, — See Separate I	Listing I	Below

SUNFLOWER Per 100 lbs. State kind when ordering. Scarce; Short Crop

Supernne, Large Black	\$22.00	\$22.5
" Gray	23.00	23.5
" Medium Gray	21.00	21.50
Local-Grown Gray	19.00	19.5
CEED OATS	5 Bags	Ba

SEED OATS Per Bu.	5 Bags or More	Bag Lots
Clinton, from Cert. Seed Columbia	\$2.25 2.05	$\begin{array}{c} \$2.40 \\ 2.15 \end{array}$

FORAGE SEEDS Per 100 lbs.

Millet, Golden or German	9.50	\$ 9.75
" Japanese or Barnyard	7.25	7.50
" White Wonder	8.25	8.50
Dwarf Milo Maize	6.75	7.00
Hegari	6.75	7.00
Norkan	9.50	10.00
Atlas Sorgo	10.00	10.50
Grohoma	12.00	12.50
Orange Fodder Cane	10.00	10.25
Mixed " "	9.00	9.25
Black Amber "	10.00	10.25
Sudan Grass, Common	10.00	10.25
Sweet Sudan Grass	17.00	17.25
Soybeans	As	sk
Cowpeas	2	,
Buckwheat, Seed	7.00	7.25

JOHNSON GRASS Ask

TURNIP SEED	100 lb. Price
White Globe, P. T.	\$45.00

White	Globe,	P. T.	\$45.0
	Small	amounts 50c per lb.	

POPCORN Per 100 lbs. FOR PLANTING

1 OR I DANTING	
S. A. Yellow, Open-pollinated	\$15.00
White Hulless, " "	20.00
FOR POPPING	
O 4 W 13 W 1 4 1	

S. A. Yellow Hybrid White Hulless 13.00 Please state if wanted for seed or popping.

HYBRID SEED CORN

ORDER YOUR SUPPLY OF HYBRID SEED CORN NOW. This year's production is small as a result of floods, wet weather and drouths. A shortage of seed is predicted for next spring. Place your order NOW while an assortment is still available.

M BRAND HYBRID SEED CORN—Our M BRAND hybrid seed corn is carefully produced, accurately graded, and thoroughly tested before being distributed.

SPERGON TREATED - all hybrid seed corn treated with new Spergon Dust. Slurry method is used for uniform coverage.

Packed in attractive, colored bushel bags. Prices all per bushel, no charge for bags. These are dealer prices. Suggested retail price \$2.00 per bu. higher.

U. S. 35 (early maturing.) Adapted all soils, Large and regular flats @ \$8.25

U. S. 13 (full season). Adapted all soils.

Large and regular flats
Small flat
Large and regular rounds

© \$8.25
Sold Out U. S. 13 (Mo. certified). Large and regular flats Small flat Large and regular rounds @ \$8.75 Sold Out

Sold Out Missouri 8 (adapted from central Mo. south.) Regular flat
Small flat
Large and regular rounds Missouri 148 Sold Out

Kansas 2234 White (adapted to all soils.

Drouth and insect resistant.)

Large and regular flat Sold Out

Small flat @ 8.00

Sold Out

Illinois 200

@ 8.00 @ 7.00 Large and regular rounds EMBRO 1001 — Sold Out. Suggest EMBRO 1020 as a substitute.

EMBRO HYBRIDS

In addition to the M Brand hybrids listed above, we produce exclusively several new improved hybrids listed below which are designated as EM-BRO hybrids:

Embro 95 Embro 1020 Embro 36 Embro 49 Embro 155-W White Embro 165-W White

These new EMBRO Hybrids represent many of the improvements made in hybrid seed corn breeding in recent years. Embro hybrids consistently give top yields of quality corn.

EMBRO HYBRID SEED CORN is distributed through selected dealers.

EMBRO HYBRID SEED CORN is distributed through selected dealers. Are you selling EMBRO HYBRID SEED CORN? If not, inquire about our EMBRO SALES PLAN which will assist you to build a satisfactory business on hybrid seed corn. Catalogs free on request. free on request.

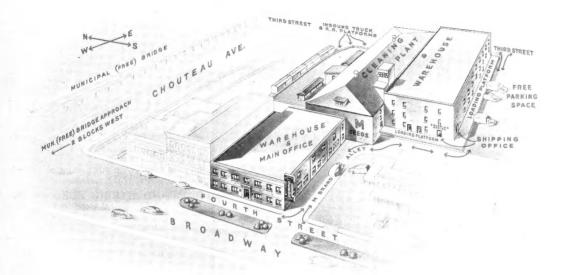
2-4D WEED KILLER

New uses for 2-4D. Spray corn fields at planting time and eliminate cultivation. This procedure is called pre-emergence spraying.

May be used to control such weeds as bind weed in wheat fields.

See the back of this card for latest prices WEEDICIDE and 2-4DOW, nationally known products used extensively to control weeds.





OUR NEW ST. LOUIS PLANT

Convenient location: just south of Municipal (Free) Bridge—near truck depots, railroads, wholesale district—out of congested area.

Ample truck-loading space—**off the street**—with free parking lot. Two entrances—Fourth or Third St.—to platform which can serve 22 trucks at a time.

Railroad trackage alongside building. Bulk unloading provided for. Building contains 125,000 square feet. Newest types cleaning machinery, with arrangement for quick, efficient, economical handling and cleaning of seeds.

Large, modern, daylight seed-testing laboratory to control buying, cleaning and preparation of seeds to meet and surpass requirements of the Federal and various State seed laws.

St. Louis is close to the producing territory of a wide assortment of Grasses, Clovers, Beans, Peas and Forage seeds, enabling us to offer first-hand at low prices.

In addition, we operate our large cleaning and storage plant at Atchison, Kansas, for handling and cleaning seeds originating in that area and the West. Atchison is in the northeast corner of Kansas, just across the Missouri line, in the center of the Blue Grass producing districts of Missouri, Kansas, lowa and Nebrasko.

ED. F. MANGELSDORF & BRO., INC. 1020 SOUTH FOURTH STREET ST. LOUIS

Wholesale Only. Under same management in St. Louis since 1919.

SEED DISINFECTANTS

CERESAN New Improved For Wheat, Barley and Oats. Easily and quickly applied. One pound treats 32 Bushels.

Sizes of	Retail Price	Dealer	Packages
Packages	Per Package	Price	Per Case
4-oz. can	\$ 0.35	\$ 2.55 per doz.	3 doz.
1-lb. ''	.90	7.25 " "	
4-lb. ''	3.00	13.50 " ½"	
8-lb. " 40-lb. pail 100-lb. D.	6.00 26.40 61.00	26.95 " ½" 21.10 per pkg. 50.50 " "	6 " 1 per pk

SEMESAN BEL New Improved - A Dip disinfectant for seed potatoes. (1 pound treats 60 to 80 Bushels.)

2-oz. pkt.	\$ 0.35	\$ 2.25 per doz.	12 doz.
1-b. can	1.85	14.65 " "	1 "
4-lb. "	6.35	28.50 1/2 "	1/2 "
25-lb. pail	36.90	29.40 per pkg.	1 only

SEMESAN - A General Disinfectant for Vegetable and Flower Seeds or Bulbs, and Certain Plant Diseases.

1/3-oz. pkt.	\$0.12	\$.80 per doz.	12 doz.
2-oz. can	0.45	3.35 " "	3 "
12-oz. "	2.10	17.30 " "	1 44
4-lb. "	10.10	45.30 1/6 "	1/2 "

REGULAR CERESAN-For Cotton, Millets, Sorghums. One pound treats 5 to 8 Bushels.

1-lb. can	\$0.85	\$ 7.05 per doz.	1 doz.
434-lb. "	3.50	15.60 1/2 "	1/2 "
25-lb. pail	16.10	12.75 per pkg.	1 only
100-lb. D.	57.75	47.20 " "	1 "

BARSPROUT—A dust applied to Potatoes and other root crops to retard sprouting in storage. Dealer Retail 12 oz. can 5 lb. " \$8.00 Doz. \$1.00 Ea. 5.50 "

3.65 Ea.

2-4 DOW WEED KILLER - POWDER

(70% 2-4-Dichlorophenoxyacetic) Powder form — 1 ounce to 5 gallons of water.

	Dealer	Retail
4-oz. cans (24 per case)	\$0.85 Ea.	\$ 1.40 Ea.
20-oz. " (12 " ")	2.05 "	2.55 "
10-lb. drums	14.20 "	18.00 "
50-lb. "	66.50 "	82.50 "
4-oz, can makes 20 gallons	spray which cove	ers approxi-
mately 4.500 square feet.		

WEEDICIDE WEED KILLER

LIQUID REGULAR (2-4D)

(Dilute	1 oz. to $1\frac{1}{2}$	gal. water).		
Size	Treats	Packed	Dealer	Retail
2-oz.	680 sq. ft.	2 doz.	\$1.80 Doz.	\$0.25 Ea.
8- "	2720 " "	1 "	7.20 "	1.00 "
1-qt.	1/4-acre	6 only	12.60 "	1.75 "
1-gal.	1 acre	1 "	3.35 Ea.	5.00 "
5-gal.	5 acres	1 "	18.75 "	25.00 "

LIQUID CONCENTRATE (2-4D)

(Dilute	1 ounce to 6	gals. of wa	ater).	
1-pt.	½ acre	1 doz.	\$21.60 Doz.	\$3.00 Ea.
1-qt.	1 "	6 only	39.60 "	5.50 "
1-gal.	4 acres	1 "	10.50 Ea.	14.00 "
5-gal.	20 "	1 "	46.90 "	62.50 "

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE

END O PEST

3 way protection for chewing insects,	Deal		Ret	
10 oz. Applicator Gun (24 per case) 10 oz. Refill Cartridge	\$10.95	Case	\$0.65	E
(24 per case)	8.40	**	.50	
2 lb. Pouring Spout pkg. (12 per case)	10.50	"	1.25	

KNOX-OUT STOCK AND BARN SPRAY

50% DDT — Wettable	dust.	\mathbf{Add}	to	water	for	cattle
and barns. 1-lb. (24 per case) 2-lb. (12 "")			40 40	Case		00 Ea.

CYTOX — 50% DDT Wettable powder

	Dealer
4-lb. bags (12 per case)	\$1.84 per bag

FUMIGANTS

CYANOGAS, A-DUST (for pest control.)

CYANC	GAS, G-FUMIGA	NT [for mill and elev State purpose for	ator fumigation. r which desired.
Size	Per Case	Dealer	Retail
4-oz.	1 dozen	\$2.80 Doz.	\$0.39 Ea
1-lb.	4 "	7.00 "	.98 "
5-lb.	20 cans	2.50 Ea.	3.75 "
25-lb.	4 "	9.35 "	12.50 "
100-lb.	1 can	24.00 "	30.00 "
FOOT	PUMP DUSTERS	\$8.25 Ea.	\$11.00 Ea